



Cylindrical battery cell specifications 21700





Overview

The 21700 battery is a cylindrical lithium-ion battery with a diameter of 21mm and a length of 70mm. It offers a nominal voltage of 3.7V and a capacity of up to 5,000mAh, making it a powerful and efficient energy source.

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Manufacturer: Honcell Energy Version: Date of Issue: 2024-09-28 Honcell Li-ion Cylindrical Datasheet-HCC Series HCV-24-01 Li-ion Cylindrical Rechargeable Battery Specification Sheet File Name: Standards: Prepared By: Checked By: Approved By: Date: 2024-09-28 Date: 2024-09-28 Date: 2024-09-28.

The 21700 lithium battery cell has emerged as a pivotal innovation in energy storage solutions. With its 21mm diameter and 70mm length, this cylindrical power source delivers up to 4800mAh capacity while maintaining robust thermal management. Engineers particularly value its ability to sustain.

For this article we will concentrate on the 21700 format, but this is migrating towards the 46mm diameter 46xx class of cylindrical cells in a push to reduce cell manufacturing costs. The 21700 cell increased the working volume over the 18650 by a factor of $>1.4 \times 21700 \Rightarrow \sim 21\text{mm}$ in diameter and.

If you're looking for a high-performance lithium-ion battery solution for industrial equipment, power tools, or energy storage systems, the 21700 battery is undoubtedly an indispensable core option. 1. What Exactly Is a 21700 Battery?

The 21700 battery gets its name from its physical dimensions: 21.

parameters of the Li Ion cell model 21700 5000mah supplied und Handling may caused n 3.43V ~ 3.63V Charging voltage range Capacity achieved 18Hz and 8g



(amplitude 1.6mm) be er ts should be avoided unless stated by AMS. The IR and voltages of the cells should be thoroughly checked before.



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[Understanding the 21700 Battery and Its Specifications](#)

The 21700 battery is a cylindrical lithium-ion battery with a diameter of 21mm and a length of 70mm. It offers a nominal voltage of 3.7V and a capacity of up to 5,000mAh, ...

[21700 Batteries , High-Performance Lithium-Ion Cells](#)

Capacity: Ranges from 3000mAh to 5000mAh, depending on the chemistry and application.
Discharge Rate (CDR): High-drain cells available with 30A, 40A, or even higher CDR ratings ...



[What Are the Key Specifications of the 21700 Cell?](#)

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[Product Specifications Document No: 50/352](#)

The design of battery pack and its structure should be reviewed physically, mechanically and electrically not to cause cell imbalance or other



dangerous effects.



21700 Cylindrical Cells

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[Understanding the 21700 Battery and Its](#)

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[TerraE_Cell](#) [Certifications_INR_21700_40P_EN_dd](#)

Discharge capacity is measured with constant current 20A and 2.5V cut-of cell is charged with 4.2V as follows. Note: Percentage as an index of the capacity at 25°C (=3900mAh) is 100%. ...





[21700 Cylindrical Lithium-Ion Battery Cell](#)

Delivering 220-320 Wh/kg energy density, they enable long flight times (30+ mins) and support fast charging (2C). Perfect for aerial photography, surveillance, and delivery drones. The ...



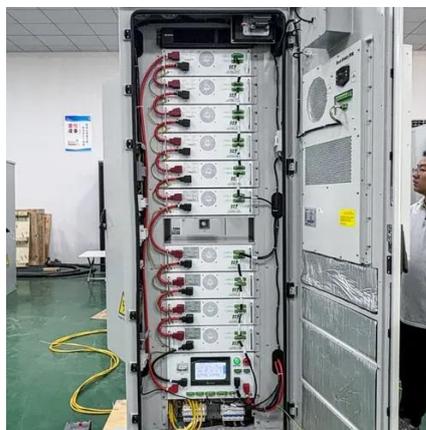
n CELL SPECIFICATIONS

Specifications and characteristics are subject to change without prior notice. For application specific information, please contact E-One Moli Energy Sales and Applications or the nearest ...



[21700 Batteries , High-Performance Lithium-Ion Cells](#)

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[21700 Battery Guide: Specs, Capacity, Lifespan & Best Uses](#)

Discover the guide to 21700 battery - specs, capacity, voltage, cycle life, applications, and 21700 vs 18650 comparisons. Ideal for tools, energy storage, and industrial ...



[Li-ion Cylindrical Rechargeable Battery Specification Sheet](#)

1 2 Base Cell Model Capacity [mAh] Rated Voltage [V] Charge Cut-off Voltage [V] Discharge Cut-off Voltage [V] 3 4 5 This Specification sheet describes the basic performance, technical ...





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